



IDN5

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## DIODE-REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

## GENERAL DATA

## Electrical:

Filament, Coated:

Voltage. . . . . 1.4 . . . . . dc volts

Current. . . . . 0.05 . . . . . amp

Direct Interelectrode Capacitance (Approx.):<sup>o</sup>Diode plate to pentode grid No.1 . . . . . 0.04  $\mu\mu\text{f}$ Characteristics, Class A<sub>1</sub> Amplifier (Pentode Unit):

Plate Voltage. . . . . 67.5 volts

Grid-No.2 (Screen-Grid) Voltage. . . . . 67.5 volts

Grid-No.1 (Control-Grid) Voltage . . . . . 0 volts

Plate Resistance (Approx.) . . . . . 0.6 megohm

Transconductance . . . . . 630  $\mu\text{mhos}$ 

Plate Current. . . . . 2.1 ma

Grid-No.2 Current. . . . . 0.55 ma

Grid-No.1 Voltage (Approx.) for  
transconductance of 10  $\mu\text{mhos}$  . . . . . -11.5 volts

## Mechanical:

Mounting Position. . . . . Any

Maximum Overall Length . . . . . 2-1/8"

Maximum Seated Length. . . . . 1-7/8"

Length, Base Seat to Bulb Top (Excluding tip). 1-1/2"  $\pm$  3/32"

Maximum Diameter . . . . . 3/4"

Dimensional Outline. . . . . See General Section

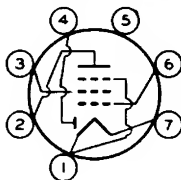
Bulb . . . . . T5-1/2

Base . . . . . Small-Button Miniature 7-Pin (JETEC No.E7-1)

Basing Designation for BOTTOM VIEW . . . . . 6BW

Pin 1 - Filament (-),  
Pentode

Grid No.3

Pin 2 - Pentode  
PlatePin 3 - Pentode  
Grid No.2Pin 4 - Diode  
PlatePin 5 - No Connec-  
tionPin 6 - Pentode  
Grid No.1

Pin 7 - Filament (+)

PENTODE UNIT - Class A<sub>1</sub> Amplifier

## Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. . . . . 90 max. volts

GRID-No.2 (SCREEN-GRID) VOLTAGE. . . . . 90 max. volts

GRID-No.1 (CONTROL-GRID) VOLTAGE:

Negative bias value. . . . . 50 max. volts

Positive bias value. . . . . 0 max. volts

CATHODE CURRENT. . . . . 3 max. ma

## Maximum Circuit Values:

Grid-No.1-Circuit Resistance . . . . . 3.3 max. megohms

<sup>o</sup> Without external shield.

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## DIODE-REMOTE-CUTOFF PENTODE

### DIODE UNIT

#### Maximum Ratings, Design-Center Values:

PLATE CURRENT. . . . . 0.25 max. ma

#### Characteristics:

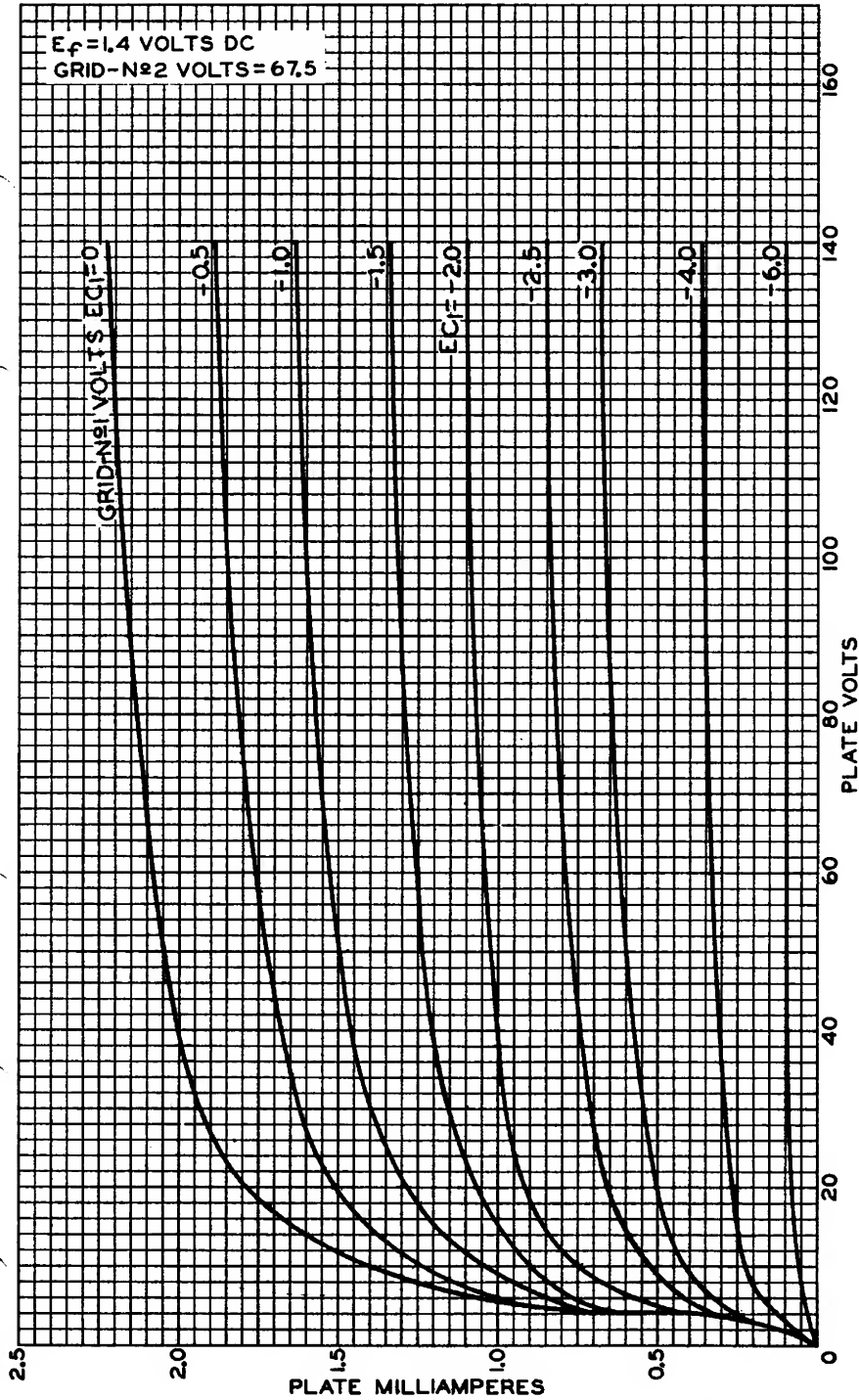
Average Plate Current with dc plate  
voltage of 10 volts. . . . . 1 ma



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# AVERAGE PLATE CHARACTERISTICS PENTODE UNIT

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ELECTRON TUBE DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-9348

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# AVERAGE CHARACTERISTICS PENTODE UNIT

